QUICK START GUIDE

Ascender 48 - 4K - Ref. ASC4806-4K

Thank you for choosing **Analog Way** and the **Ascender 48 - 4K**. By following these simple steps, you will be able to set up and use your Powerful multi-screen Seamless Switcher based on **Analog Way**'s LiveCore™ platform within minutes. Discover the **Ascender 48 - 4K** capabilities and intuitive interface while commanding top-notch presentations and unleash your creativity for a new experience in show and event management.

WHAT'S IN THE BOX

- 1 x **Ascender 48 - 4K (ASC4806-4K)**
- 1 x Power supply cord
- 1 x Ethernet cross cable (for device control)
- 1 x MCO 10 pin connector
- 1 x Web-based Remote Control Software included and hosted on the device
- 1 x Rear rack mount kit (the parts are stowed in the packaging foam)
- 1 x User manual (PDF version)*
- 1 x Quick start guide*

** User manual and quick start guide are also available on www.analogway.com*

Register your product

Go on our website to register your product(s) and be notified about new firmware versions:
http://bit.ly/AW-Register

CAUTION!

Mounting using only the front rack ears is sufficient for fixed installations. Additional support, such as the rear rack support or slide rails, is required for mobile applications, and recommended for all.

QUICK INSTALL AND SETUP

Connecting with the Web RCS

The **Ascender 48 - 4K** uses standard ethernet LAN networking. To connect the Web RCS to your new **Ascender 48 - 4K**, you first need to connect a computer to the **Ascender 48 - 4K** using the Ethernet cable. Then on your computer open an internet browser which supports Flash® player.
Into this internet browser, please enter the IP address of the **Ascender 48 - 4K** displaying on the front panel screen.

The connection should start.

Often, computers are set to DHCP client (automatic IP detection) mode. You may need to change the IP address configuration on your computer before you can connect. These settings are found in the properties for your LAN network adaptor, and vary by operating system.
The default IP address on the **Ascender 48 - 4K** is **192.168.2.140** with a netmask of **255.255.255.0.** Therefore, you can assign your computer a static IP address of **192.168.2.100** and a netmask of **255.255.255.0** and should be able to connect.

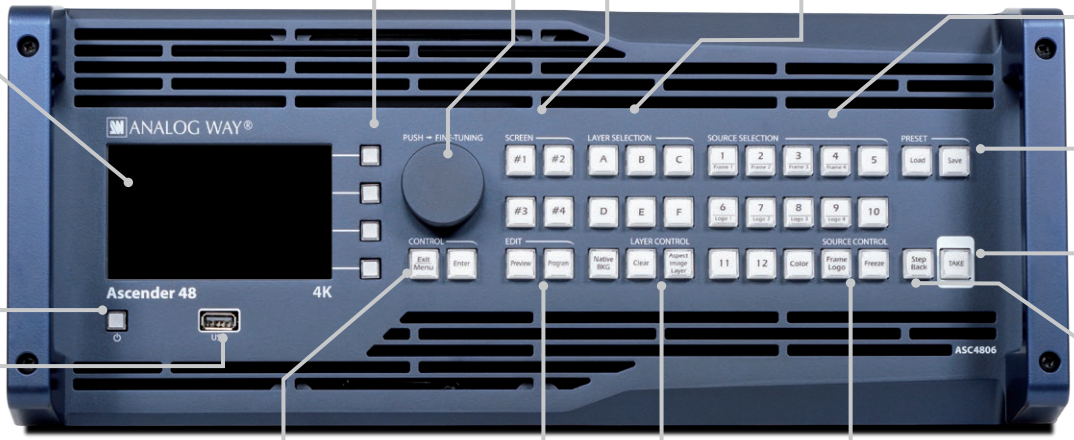
If the connection is not starting, please see:

- Be sure the computer IP address is on the same network and subnet as the **Ascender 48 - 4K**.
- Be sure that no two devices have the same IP address (prevent IP conflicts)
- Check your network cable. You will need a crossover ethernet cable if you are connecting directly from the **Ascender 48 - 4K** to the computer. If a hub or switch is involved, use straight ethernet cables.
- For more information, please see the user manual or contact your local technical support.

Once you have successfully connected, the flash app will automatically download and launch in your browser. When the two icons in the bottom right corner of the screen turn green, the Web RCS is ready to use. If you are having trouble synchronizing, try clearing the cache and refreshing the page (ctrl+F5 in most browsers):

- **ASC4806-4K:** will turn green when connected
- **Synch OK:** will turn green when the Web RCS has finished synchronizing.

ASCENDER 48 - 4K - REF. ASC4806-4K / FRONT & REAR PANELS DESCRIPTION



4.3'' TFT color display

Contextual buttons

Menu scroll knob

Screen:
#1 to #4: select a screen

Layer selection:
Native Background: not scaled layer.
A/B/C/D/E/F: scaled layers

Source selection:
#1 to #12: access Frame #1 to #4 or Logo #1 to #4
Color: fill in a layer with a color

Preset:
Load: load a preset
Save: save a preset

TAKE:
Transition the pre-selected sources onto the Program output with the selected effects

Step Back:
Recall the last preset into your Preview monitor

On/Off
Stand-by: Hold for 3 seconds for stand-by mode to force power off

USB Plug

Control:
Exit/Menu: Home menu or back one level
Enter: validate the menu or command

Edit:
Program: edit Program
Preview: edit Preview

Layer control:
Clear: clear a layer
Aspect Image Layer: adjust Layer properties

Source control:
Frame logo: press before selecting the Logo/Frame number
Freeze: freeze the input linked to the current layer on the Program

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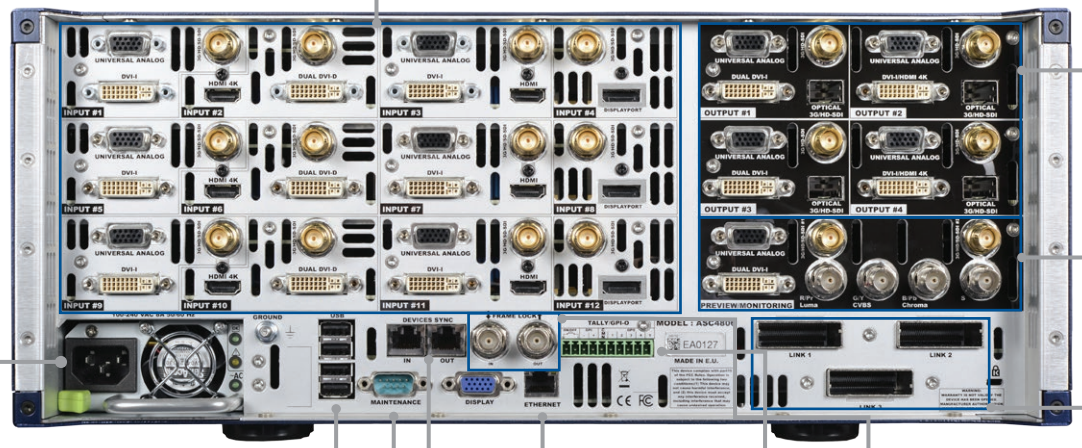
Inputs #1 to #12:
- 6 x HDMI (including 3 x HDMI 4K)
- 9 x DVI-I
  (6 x DVI-I & 3 x DVI-D / Dual link available on Inputs #2, #6 and #10)
- 3 x DisplayPort
  (Dual link available on Inputs #4, #8 & #12)
- 12 x 3G/HD/SD-SDI
- 12 x Universal Analog
  (6 x HD15 & 6 x DVI-A)



Output #1, #2, #3 & #4
- 8 x Universal Analog (4 x HD15 & 4 x DVI-A)
- 4 x DVI-I (DVI Dual-Link on outputs #1 & #3, DVI/HDMI 4K on outputs #2 and #4)
- 4 x Video Optical SFP module cage
- 4 x 3G/HD/SD-SDI

Monitoring Preview output:
- 2 x Universal Analog (HD15 & DVI-A)
- 1 x DVI-I
- 2 x SD/HD/3G SDI
- 1 x RGBs/RGsB/RGB/YPrBr/YC/comp Analog output

Removal Power supply:
100-240 VAC; 8A; 50/60Hz; 405W; internal, autoswitchable

4 x USB Plugs

RS232 port:
Reserved for manufacturer

Devices sync.:
Used for effect sync in multi-machine mode.
See User's Manual for details

Ethernet Plug

Tally

Frame Lock:
Analog Frame Lock plug and specific loop output

Link cables:
Use the 3 link cables to share inputs/outputs in the additive modularity configuration.

CAUTION:
The user should avoid disconnecting the power source (AC input) until the unit is in stand-by mode. Failure to do this could result in hard drive data corruption.

OPERATION OVERVIEW

BUTTON COLOR USAGE

Solid red:
#1 = Source is on the Program output
#2 = Freeze enable
#3 = Stand-by button
#4 = Preset Selection

Solid green:
#1 = Source is on Preview
#2 = Function available for modification

Blinking red: Layer/source selected and is currently active on the Program output

Blinking green: Layer/source selected and is not currently active on the Program output

Solid orange: Contextual button

OUTPUT SETUP

Operation mode:
Choose your operation mode using the setup menu **(SETUP > Preconfig > screens)** to drag and drop your unused output to the selected mode.

Output format/rate:
Under **SETUP > OUTPUT**, click on the selected output on the left to have access to the setup. Then choose the format and rate. (Rate choice is only available for Monitoring/Preview output, the main outputs will use the rate defined under **SETUP > Preconfig > Internal rate, Framelock, etc.**)

Output settings:
Under this menu you have access to the **HDCP ON/OFF** feature, Optical SFP restart and test pattern possibilities.

TIP: Always try to use native resolution of your screens/ projectors to avoid additional scaling.

INPUT SETUP

Click on **SETUP > INPUT > GENERAL** to have an overview of your inputs.

Click on **AUTOSET ALL** to launch the automatic detection of all inputs.

Individual input setting:
Click on the left on the individual input setup in order to define your input

As each input has multiple input plugs, you must choose one plug to display as this input. The remaining non-displayed plugs remain active and can still be configured.

Click on your **ACTIVE PLUG** in order to choose the displayed input.
Click on the **SETUP PLUG** to start settings a specific plug without choosing it as the active displayed plug. (Not necessarily displayed).

EDIT

Once your setup is complete, click on the **EDIT** tab to start building your presets.

- Resize or reposition your layer by clicking and dragging the layer.
- Load and place all your layer with your mouse and use the take button to send it to your program
- Drag sources into layers to change the source

Other settings are available for layers, please refer to the user manual.

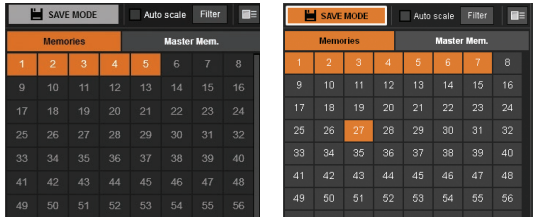
SETUP MENU

Preconfig.: Setup assistant for adjusting all basic setups.
Outputs: Manage your outputs and have access to every settings and parameters.
Inputs: Configure your inputs connected to your **Ascender 48 - 4K.**
Library: Load your Logos and Frames into the system.
Logos: Configure Logos and Frames selections.
Confidence: Configure the Confidence monitor.
Monitoring: Configure the operator's monitor including the resolution and choice of layout, to show input or output preview combinations.
Blending: Configure the blending.
Services: Access to all Analog Way maintenance services (update, ...).
Control: Access all control settings.

PRESET MANAGEMENT

Once you build a preset, you can save it as one of the 144 preset slots the **Ascender 48 - 4K** offers.

- Click on **SAVE MODE** then choose your preset number.



- You can load your preset at any time on Program or Preview by clicking on the preset number (with the **Save mode** button disabled), or simply drag and drop the preset into the Program or Preview windows.
- To reset a preset, please click on the preset number holding **SHIFT** on your keyboard. Then into the windows below click on the reset button

WEB RCS STRUCTURE

SETUP

Click on **SETUP**, then go to the preconfig button. The Setup assistant is here to help you to set up step by step your unit by following an interactive tutorial.

EDIT

The **EDIT** mode is the place where you will manage all your configurations. You will manage your inputs, your layers in terms of size position effect etc... your Frames and Logos. You can save all your screen configurations into presets

LIVE

The **LIVE** mode is the section where you will start operating your show. You can play preset one after the other on a real timeline adding some parameters like duration or wait for user interaction.

WARRANTY AND SERVICE

This **Analog Way** product has a 3 year warranty on parts and labor, back to factory. This warranty does not include faults resulting from user negligence, special modifications, electrical surges, abuse (drop/crush), and/or other unusual damage. In the unlikely event of a malfunction, please contact your local **Analog Way** office for service.

GOING FURTHER WITH THE ASCENDER 48 - 4K

For complete details and operations procedures, please refer to the **LiveCore's unit** User's Manual and our website for further information: **www.analogway.com**

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